Tradition. Ambition. Vision.

Find out more about the future at **randek.com**

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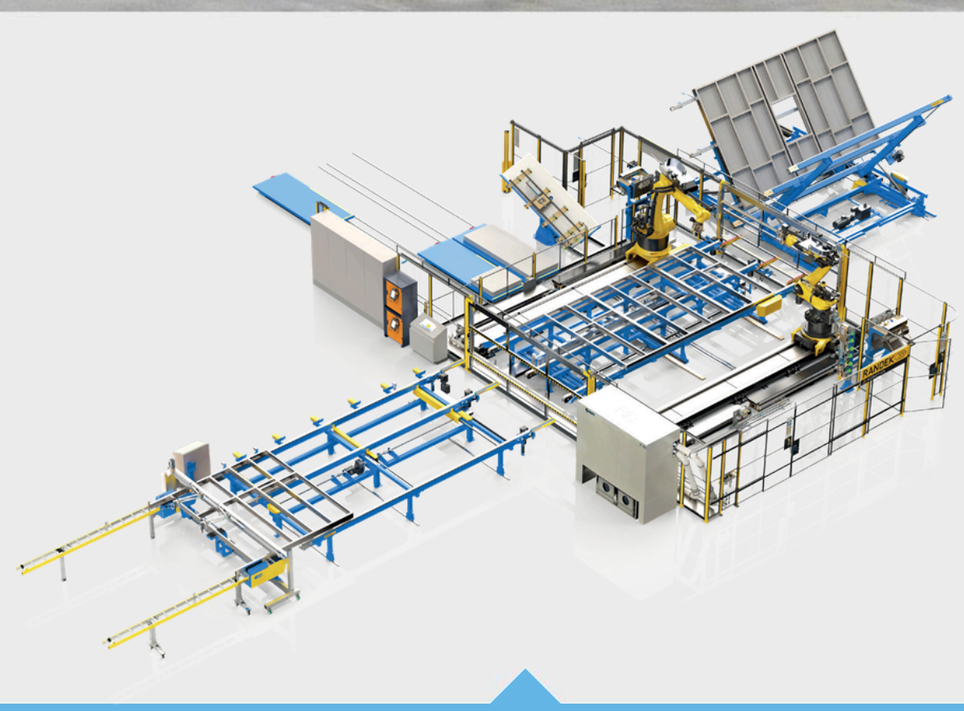
LIGHT GAUGE STEEL FRAME SYSTEM

RANDEK™

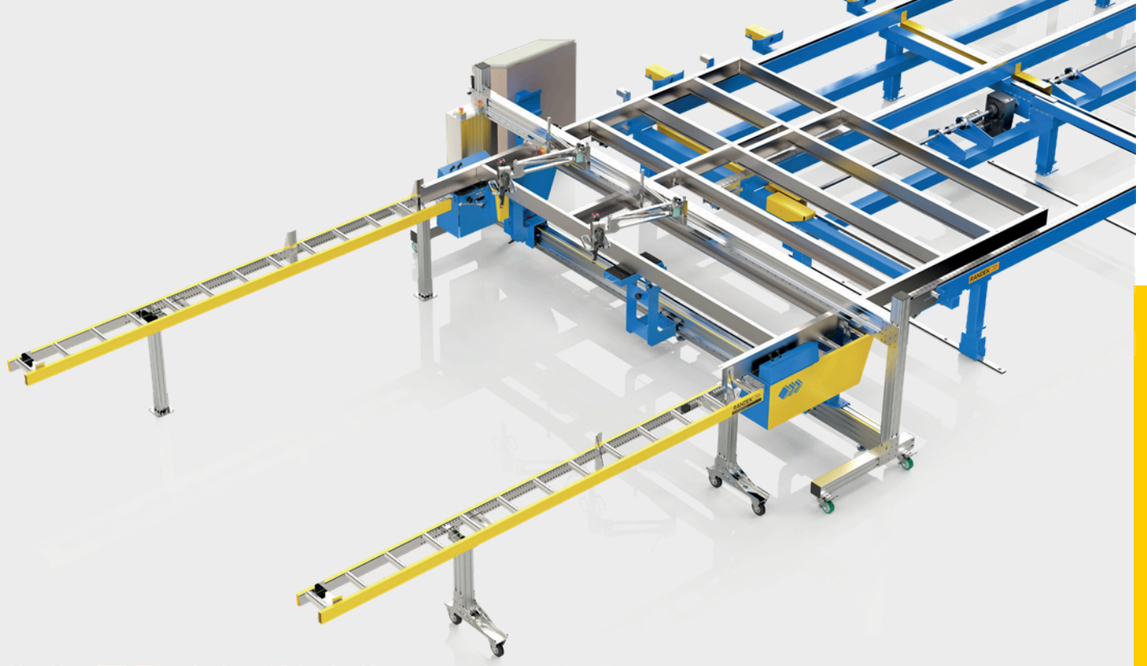
BUILDING THE FUTURE

LIGHT GAUGE **STEEL FRAME** SYSTEM

Light Gauge Steel Frame System is designed to produce steel-framed structures by using the same platform as our timber wall lines, with a dedicated LGS Framing Station for the steel frames. This system is configurable to the highest level of automation with the ZeroLabor Robotic System. This means that our customers can continue to rely on us and our product to deliver the same quality, precision, high output, and flexibility benefits.



Example configuration of a compact Light Gauge Steel Frame System wall production line including an LGS Framing Station, a ZeroLabor cell and turning tables.



LGS FRAMING STATION

LGS Framing Station is a machine developed for the efficient production of frameworks in light gauge steel. The framing station is flexible and has various support units to simplify the process. Wall, floor and ceiling elements can be produced in the system.

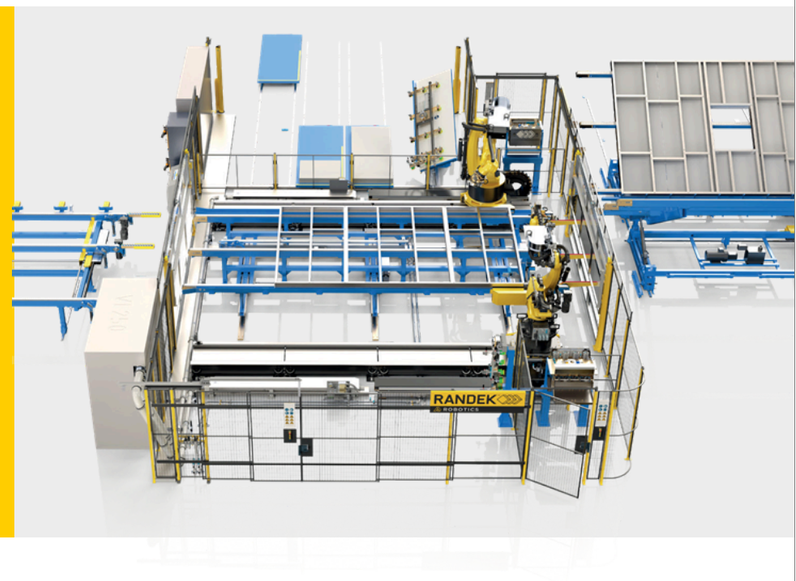
- Aided assembly of framed elements
- Quick and easy adjustment for changing dimensions
- One-operator assembly of elements
- Accommodates two operators if ramp-up is necessary
- Compact design, easy to move and connect
- Fits both in an off-site factory and in an on-site environment



Detailed view showing the LGS Framing Station

ZEROLABOR ROBOTIC SYSTEM

On a light gauge steel line, the Randek ZeroLabor Robotic System is configured for the handling of frameworks in light gauge steel. The core hardware and software are the same, and the cell's tools and settings follow the material, so all capabilities and advantages are achieved on a steel line.



- Sheet handling: the sheet is picked from various stacks with vacuum cups and placed on the building element according to the CAD file. The system is flexible and can handle various sizes of sheets
- Different types of fastening methods
- Cut-outs for openings such as electrical boxes, windows and doors
- The system can handle 1, 2 or 3 layers of sheets
- Gluing
- Waste handling: recycle bins keep materials such as OSB and plasterboard apart
- Can be connected to a dust extraction system







BUTTERFLY TABLES

Randek's Butterfly Tables are developed for efficient handling, turning, transporting and straightening of light gauge steel elements. They come from the traditional Randek table range: steel and timber elements are clamped the same way, and the tools follow the material.



View showing a turning table with a light gauge steel element



BRIDGE RB

The Bridge RB is developed for efficient operations on a light gauge steel line. The Bridge RB3 can perform fastening, milling and cutting of a wide variety of sheets.

The Bridge RB3 is built on the same platform as the bridges in Randek's timber lines. The bridge is developed to operate in the Randek Light Gauge Steel Frame System.





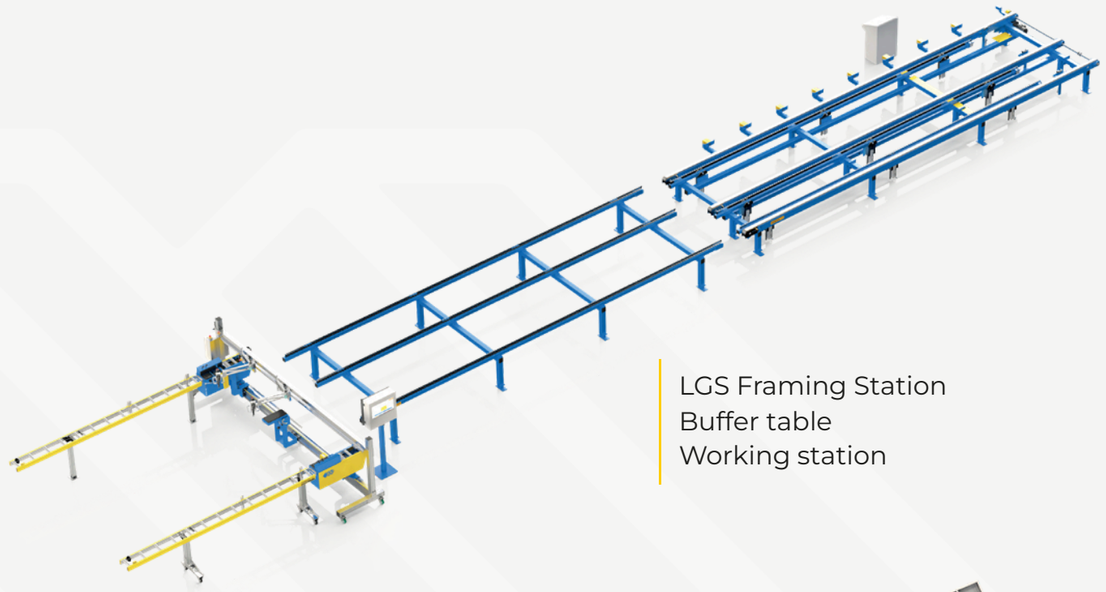
EXAMPLE CONFIGURATIONS



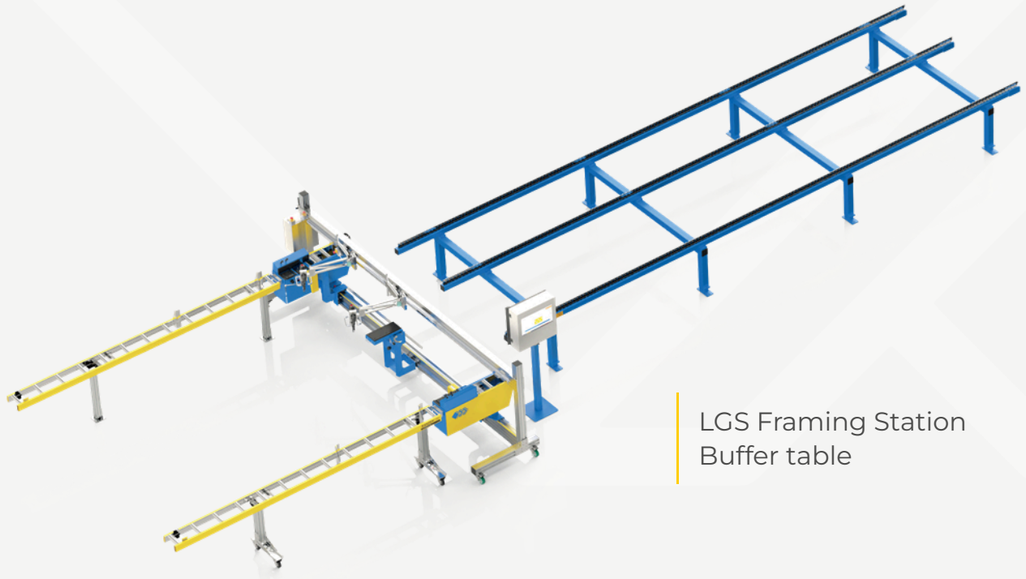
LGS Framing Station



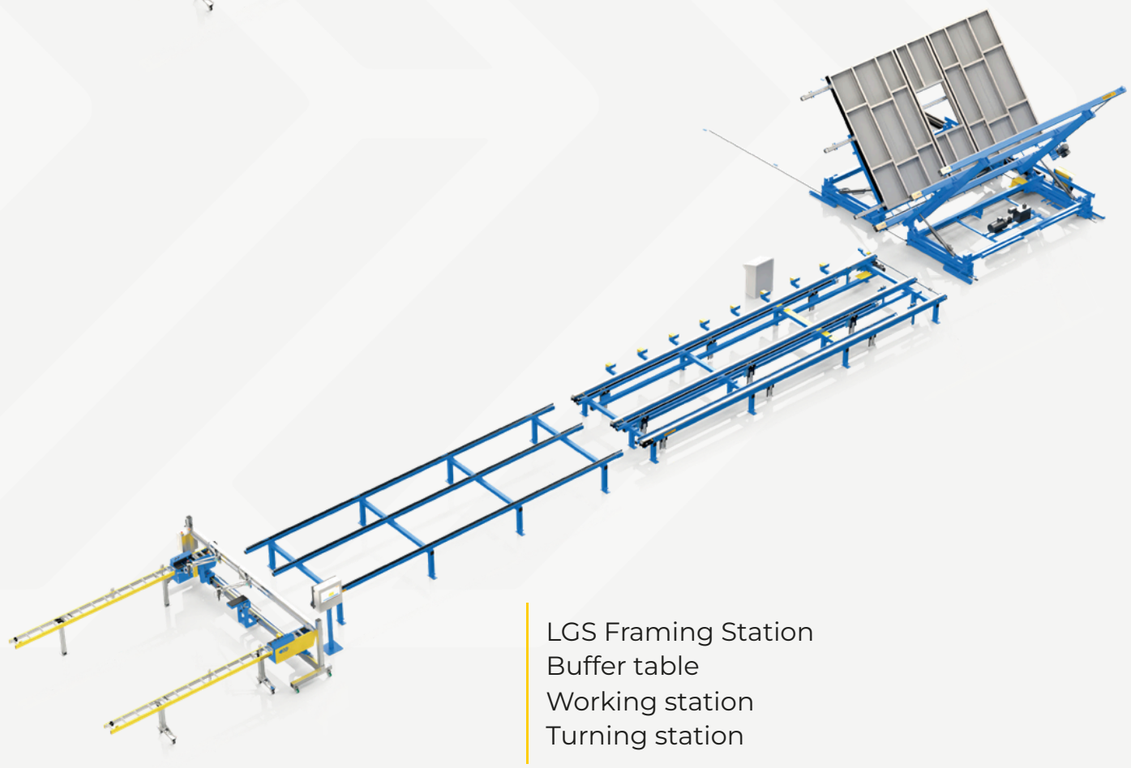
LGS Framing Station
Outfeed



LGS Framing Station
Buffer table
Working station



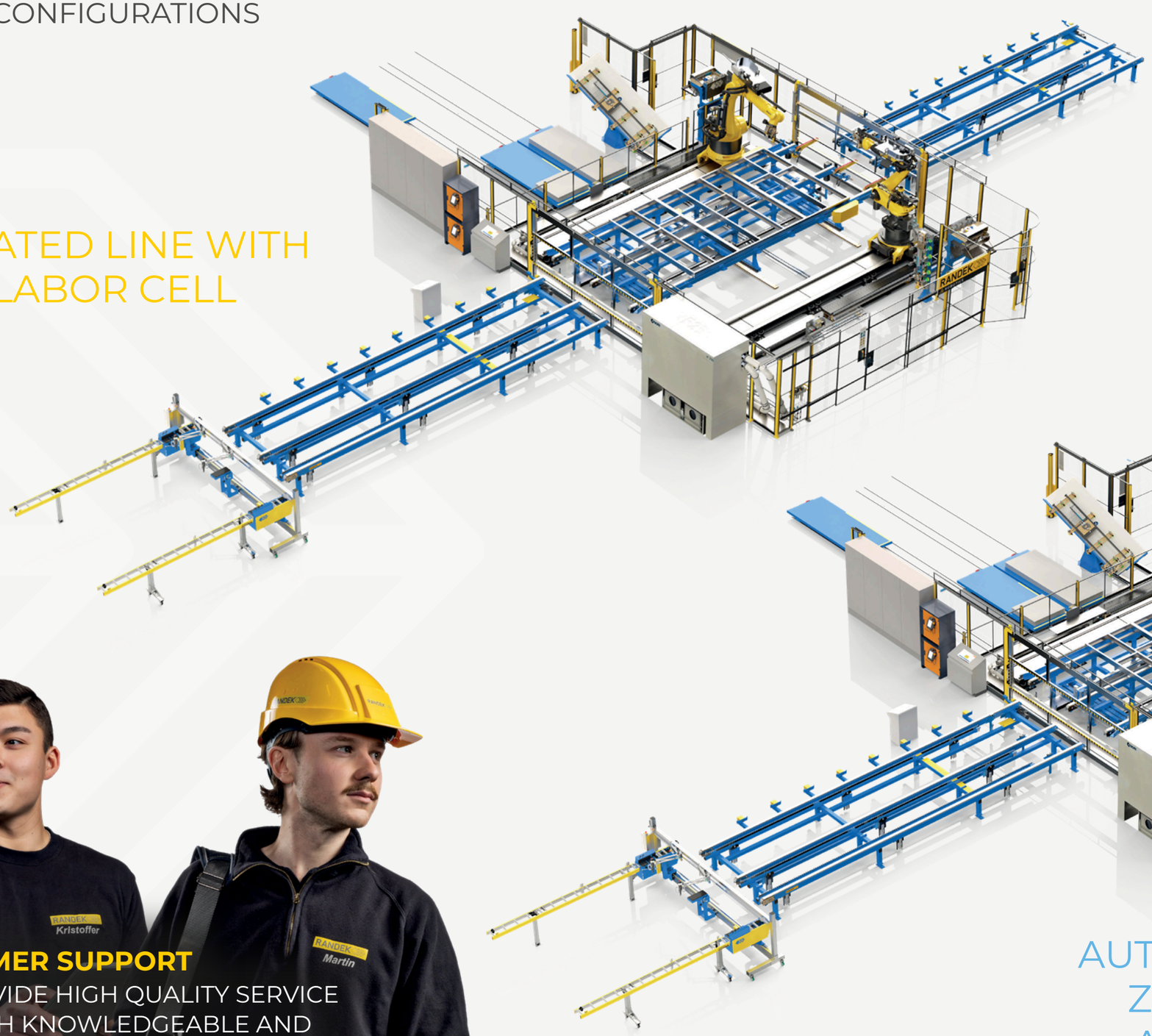
LGS Framing Station
Buffer table



LGS Framing Station
Buffer table
Working station
Turning station

EXAMPLE CONFIGURATIONS

AUTOMATED LINE WITH A ZEROLABOR CELL





CUSTOMER SUPPORT

WE PROVIDE HIGH QUALITY SERVICE THROUGH KNOWLEDGEABLE AND RESPONSIVE TECHNICAL SUPPORT.

AUTOMATED LINE WITH A ZEROLABOR CELL AND A TURNING SEQUENCE

SWEDISH QUALITY LASTS

Randek has developed automation for the prefabricated house manufacturing industry since 1943. Today Randek supplies high-performance machines, robotic solutions and complete production lines to house manufacturers in 40 countries on four continents.

PRODUCTS/SYSTEM



SP720 SERIES CUT SAWS

Sturdy, reliable cut saws for house and roof truss manufacturers, with computer-controlled length stops.



WALL, FLOOR AND ROOF LINES

Tailor-made systems for prefabricated walls, floors and roofs. From manual to fully automated.



ROBOTIC SYSTEMS

Randek Robotics develops the ZeroLabor Robotic System: robot cells for sheathing, sub-assembly and insulation.



ROOF TRUSS SYSTEMS

Randek Truss System NT for traditional truss production and the AutoEye System for automated pressing.



BUTTERFLY TABLES

Wall-turning tables, a Randek invention from 1963. From a single manual table to a full line.

RANDEK SERVICES



RANDEK PRE-STUDY



MAINTENANCE



GLOBAL SUPPORT



MYRANDEK

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